

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1017	rolling adj circle adj replic\$\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 17:23
L2	23	rolling adj circle adj replic\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 17:23
L3	3	L2 and (co-integrate or cointegrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 17:25
L4	24	((double adj stranded adj origin) near3 replication) or ((double-stranded adj origin) near3 replication)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 17:40
L5	3	L4 and (((site adj specific adj recombination) near3 (recognition or site)) or ((site-specific adj recombination) near3 (recognition or site)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 17:44
L6	26	((single adj stranded adj origin) near3 replication) or ((single-stranded adj origin) near3 replication)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 17:41
L7	1680	((single adj stranded) or single-stranded) with (origin near3 replication)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 17:44
L8	321	((double adj stranded) or double-stranded) with (origin near3 replication)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 17:55
L9	16	L8 and (((site adj specific adj recombination) near3 (recognition or site)) or ((site-specific adj recombination) near3 (recognition or site)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 18:02

## EAST Search History

L10	9	L9 and ((single adj stranded) or single-stranded) with (origin near3 replication)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 18:02
L11	9	L10 and ((selectable adj marker) or (kanamycin adj resistance) or (ampicillin adj resistance) or (spectinomycin adj resistance) or (gentamycin adj resistance) or (tetracycline adj resistance) or (chloramphenicol adj resistance) or (streptomycin adj resistance) or strA or sacB or kanamycin or ampicillin or spectinomycin or gentamycin or tetracycline or chloramphenicol or streptomycin )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 17:56
L12	6	L11 and @ad<="20010226"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 18:04
L14	14	((double adj stranded) or double-stranded) with (origin near3 replication) same (rolling adj circle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 17:57
L15	7	L14 and @ad<="20010226"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 17:56
L16	2	L15 and ((selectable adj marker) or (kanamycin adj resistance) or (ampicillin adj resistance) or (spectinomycin adj resistance) or (gentamycin adj resistance) or (tetracycline adj resistance) or (chloramphenicol adj resistance) or (streptomycin adj resistance) or strA or sacB or kanamycin or ampicillin or spectinomycin or gentamycin or tetracycline or chloramphenicol or streptomycin )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 18:11

## EAST Search History

L17	14	((((double adj stranded) or double-stranded) with (origin near3 replication)) same (pT181 or pC221 or pC223 or pCW7 or pHD2 or pLUG10 or pOg32 or pS194 or pT127 or pTZ12 or pUB112 or pE194 or pA1 or pC1305 or pCI411 or pFX2 or pKMK1 or pLS1 or pSH71 or pWV01 or pC194 or "pAM.alpha. 1" or pBAA1 or pBC1 or pBC16 or pBP614 or pBS2 or pC300 or pCA2 or pCB101 or "pCB2.4" or "pCC5.2" or pFTB14 or pPL or pSSU1 or p1414 or pDC123 or pGT5 or pJDB21 or pKYM or pLAB1000 or pLot3 or pLP1 or pOX6 or pRF1 or pRBH1 or pSH1451 or pSN1981 or pTA1060 or pTD1 or pTHT15 or pUB110 or pUH1 or pVA380-1 or pWC1 or pEGB32 or p353-2 or pSN2 or pBI143 or pE5 or pE12 or pIM13 or pNE131 or pT48 or pTCS1 or pZMO2 or pIJ101 or pBL1 or pJV1 or pSG5 or pSN22 or pC1305 or pG12 or pGRB1 or pHK2 or pHPK255 or pTX14-1 or pTX14-3 or pVT736-1 or (phage same f1) or "PHI.174."))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 18:01
L18	11	L17 and (((single adj stranded) or single-stranded) with (origin near3 replication))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 18:02
L19	2	L18 and (((site adj specific adj recombination) near3 (recognition or site)) or ((site-specific adj recombination) near3 (recognition or site)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 18:10
L20	1	L19 and @ad<="20010226"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 18:04
L21	2	L17 and (((site adj specific adj recombination) near3 (recognition or site)) or ((site-specific adj recombination) near3 (recognition or site)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 18:10

## EAST Search History

L22	2	L21 and ((selectable adj marker) or (kanamycin adj resistance) or (ampicillin adj resistance) or (spectinomycin adj resistance) or (gentamycin adj resistance) or (tetracycline adj resistance) or (chloramphenicol adj resistance) or (streptomycin adj resistance) or strA or sacB or kanamycin or ampicillin or spectinomycin or gentamycin or tetracycline or chloramphenicol or streptomycin )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/20 18:11
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Dialog 10/649.547  
LLM 3/20/2007

? d s

Set	Items	Description
S1	0	S ROLLING (W) CIRCLE (W) REPLIC?2
S2	2219	S ROLLING (W) CIRCLE (W) (REPLICON OR REPLICATION)
S3	6	S S2 AND (CO-INTEGRATE OR COINTEGRATE)
S4	1	RD (unique items)
S5	27	S S2 AND (((DOUBLE (W) STRANDED (W) ORIGIN) (3N) REPLICATION) OR ((DOUBLE-STRANDED (W) ORIGIN) (3N) REPLICATION))
S6	1	S S5 AND (((SITE (W) SPECIFIC (W) RECOMBINATION) (3N) (RECOGNITION OR SITE)) OR ((SITE-SPECIFIC (W) RECOMBINATION) (3N) (RECOGNITION OR SITE)))
S7	27	S ((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (5N) (ORIGIN (3N) REPLICATION) (S) (ROLLING (W) CIRCLE)
S8	12	S S7 AND ((SINGLE (W) STRANDED) OR SINGLE-STRANDED) (5N) (ORIGIN (3N) REPLICATION)
S9	12	S S7 AND (((SINGLE (W) STRANDED) OR SINGLE-STRANDED) (5N) (ORIGIN (3N) REPLICATION))
S10	4	RD (unique items)
S11	1	S S10 AND (((SITE (W) SPECIFIC (W) RECOMBINATION) (3N) (RECOGNITION OR SITE)) OR ((SITE-SPECIFIC (W) RECOMBINATION) (3N) (RECOGNITION OR SITE)))
S12	31	S (((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (5N) (ORIGIN (3N) REPLICATION)) (S) (PT181 OR PC221 OR PC223 OR PCW7 OR PHD2 OR PLUG10 OR POG32 OR PS194 OR PT127 OR PTZ12 OR PUB112 OR PE194 OR PA1 OR PC1305 OR PCI411 OR PFX2 OR PKMK1 OR PLS1 OR PSH71 OR PWV01 OR PC194 OR "PAM.ALPHA.1" OR PBAA1 OR PBC1 OR PBC16 OR PBP614 OR PBS2 OR PC300 OR PCA2 OR PCB101 OR "PCB2.4" OR "PCC5.2" OR PFTB14 OR PPL OR PSSU1 OR P1414 OR PDC123 OR PGT5 OR PJDB21 OR PKYM OR PLAB1000 OR PLOT3 OR PLP1 OR POX6 OR PRF1 OR PRBH1 OR PSH1451 OR PSN1981 OR PTA1060 OR PTD1 OR PTHT15 OR PUB110 OR PUH1 OR PVA380-1 OR PWC1 OR PEGB32 OR P353-2 OR PSN2 OR PBI143 OR PE5 OR PE12 OR PIM13 OR PNE131 OR PT48 OR PTCS1 OR PZMO2 OR PIJ101 OR PBL1 OR PJV1 OR PSG5 OR PSN22 OR PC1305 OR PG12 OR PGRB1 OR PHK2 OR PHPK255 OR PTX14-1 OR PTX14-3 OR PVT736-1 OR (PHAGE (3N) F1) OR "PHI.174." )
S13	8	RD (unique items)
S14	5	S S13 AND ((SINGLE (W) STRANDED) OR SINGLE-STRANDED) (5N) (ORIGIN (3N) REPLICATION)
S15	2	S S14 AND ((SELECTABLE (W) MARKER) OR (KANAMYCIN (W) RESISTANCE) OR (AMPICILLIN (W) RESISTANCE) OR (SPECTINOMYCIN (W) RESISTANCE) OR (GENTAMYCIN (W) RESISTANCE) OR (TETRACYCLINE (W) RESISTANCE) OR (CHLORAMPHENICOL (W) RESISTANCE) OR (STREPTOMYCIN (W) RESISTANCE) OR STRA OR SACB OR KANAMYCIN OR AMPICILLIN OR SPECTINOMYCIN OR GENTAMYCIN OR TETRACYCLINE OR CHLORAMPHENICOL OR STREPTOMYCIN )
S16	2	RD (unique items)

?

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[File 357] **Derwent Biotech Res.** \_1982-2007/Mar W3

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[File 369] **New Scientist** 1994-2007/Nov W3

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[File 370] **Science** 1996-1999/Jul W3

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*\*File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 391] **Beilstein Reactions** 2007/Q1

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[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

(c) 2006 The Thomson Corp. All rights reserved.

[File 467] **ExtraMED(tm)** 2000/Dec

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? s rolling (w) circle (w) replic?2

133391 ROLLING

89619 CIRCLE

0 REPLIC?2

S1 0 S ROLLING (W) CIRCLE (W) REPLIC?2

? S ROLLING (W) CIRCLE (W) (REPLICon or replication)

133391 ROLLING

89619 CIRCLE

19603 REPLICON

656877 REPLICATION

S2 2219 S ROLLING (W) CIRCLE (W) (REPLICON OR REPLICATION)

? s s2 and (co-integrate or cointegrate)

2219 S2

11 CO-INTEGRATE

1674 COINTEGRATE

S3 6 S S2 AND (CO-INTEGRATE OR COINTEGRATE)

? rd

>>>W: Duplicate detection is not supported for File 391.

Records from unsupported files will be retained in the RD set.

S4 1 RD (UNIQUE ITEMS)

? t s4

4/2/1 (Item 1 from file: 5) [Links](#)

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Biosis Previews(R)

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12168304 Biosis No.: 199497189589

**Differential roles of the transposon termini in IS91 transposition**

**Author:** Mendiola M Victoria; Bernales Irantzu; De La Cruz Fernando (Reprint)

**Author Address:** Dep. Biología Molecular, Universidad de Cantabria, C. Herrera Oria s/n, 39011 Santander, Spain\*\*Spain

**Journal:** Proceedings of the National Academy of Sciences of the United States of America 91 ( 5 ): p 1922-1926  
1994 1994

**ISSN:** 0027-8424

**Document Type:** Article

**Record Type:** Abstract

**Language:** English

**Descriptors:**

**Major Concepts:** Biochemistry and Molecular Biophysics; Genetics; Molecular Genetics-- Biochemistry and Molecular Biophysics; Physiology

**Biosystematic Names:** Enterobacteriaceae--Facultatively Anaerobic Gram-Negative Rods, Eubacteria, Bacteria, Microorganisms

**Organisms:** Escherichia coli (Enterobacteriaceae)

**Common Taxonomic Terms:** Bacteria; Eubacteria; Microorganisms

**Miscellaneous Terms:** RIGHT INVERTED REPEAT REGION; ROLLING CIRCLE REPLICATIVE TRANSPOSITION MODEL; TRANSPOSASE HOMOLOG

**Concept Codes:**

10010 Comparative biochemistry

10062 Biochemistry studies - Nucleic acids, purines and pyrimidines

10064 Biochemistry studies - Proteins, peptides and amino acids

10300 Replication, transcription, translation

10506 Biophysics - Molecular properties and macromolecules

10802 Enzymes - General and comparative studies: coenzymes

10806 Enzymes - Chemical and physical

13014 Metabolism - Nucleic acids, purines and pyrimidines

31000 Physiology and biochemistry of bacteria

31500 Genetics of bacteria and viruses

**Biosystematic Codes:**

06702 Enterobacteriaceae

? s s2 and (((double (w) stranded (w) origin) (3n) replication) or ((double-stranded (3n) origin) near3 replication))  
>>>W: Invalid syntax  
>>>E: There is no result

? s s2 and (((double (w) stranded (w) origin) (3n) replication) or ((double-stranded (w) origin) (3n) replication))

2219 S2  
2011202 DOUBLE  
622334 STRANDED  
1375312 ORIGIN  
656877 REPLICATION  
51 DOUBLE (W) STRANDED (W) ORIGIN (3N) REPLICATION  
5086 DOUBLE-STRANDED  
1375312 ORIGIN  
656877 REPLICATION  
0 DOUBLE-STRANDED (W) ORIGIN (3N) REPLICATION  
S5 27 S S2 AND (((DOUBLE (W) STRANDED (W) ORIGIN) (3N) REPLICATION) OR  
((DOUBLE-STRANDED (W) ORIGIN) (3N) REPLICATION))

? s s5 and (((site (w) specific (w) recombination) (3n) (recognition or site)) or  
((site-specific (w) recombination) (3n) (recognition or site)))

Processing

27 S5  
3429085 SITE  
6678153 SPECIFIC  
410888 RECOMBINATION  
1182006 RECOGNITION  
3429085 SITE  
10140 SITE (W) SPECIFIC (W) RECOMBINATION (3N) (RECOGNITION OR SITE)  
6216 SITE-SPECIFIC  
410888 RECOMBINATION  
1182006 RECOGNITION  
3429085 SITE  
0 SITE-SPECIFIC (W) RECOMBINATION (3N) (RECOGNITION OR SITE)  
S6 1 S S5 AND (((SITE (W) SPECIFIC (W) RECOMBINATION) (3N) (RECOGNITION OR  
SITE)) OR ((SITE-SPECIFIC (W) RECOMBINATION) (3N) (RECOGNITION OR SITE)))

? t s6/medium

6/3/1 (Item 1 from file: 357) Links

Derwent Biotech Res.

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0302117 DBA Accession No.: 2003-03902 PATENT

**Transferring a gene to a product vector, useful for generating recombinant vectors for expression in cell or host, comprises contacting in vitro a first and second vector and introducing the co-integrate vector into a prokaryotic cell recombinant vector-mediated kanamycin-resistance gene transfer and expression in mammal or bacterium cell**

**Author:** CARSTENS C

**Patent Assignee:** STRATAGENE 2002

**Patent Number:** WO 200268670 **Patent Date:** 20020906 **WPI Accession No.:** 2002-707008 (200276)

**Priority Application Number:** US 793372 **Application Date:** 20010226

**National Application Number:** WO 2002US4454 **Application Date:** 20020215

**Language:** English



? s ((double (w) stranded) or double-stranded) (5n) (origin (3n) replication) (s)(rolling (w) circle)

2011202 DOUBLE  
622334 STRANDED  
322089 DOUBLE(W)STRANDED  
5086 DOUBLE-STRANDED  
1375312 ORIGIN  
656877 REPLICATION  
133391 ROLLING  
89619 CIRCLE

S7 27 S ((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (5N) (ORIGIN (3N) REPLICATION) (S)(ROLLING (W) CIRCLE)

? s s7 and ((single (w) stranded) or single-stranded) (5n) (origin (3n) replication)

27 S7  
5039297 SINGLE  
622334 STRANDED  
312618 SINGLE(W)STRANDED  
3625 SINGLE-STRANDED  
1375312 ORIGIN  
656877 REPLICATION  
346 (SINGLE(W)STRANDED OR SINGLE-STRANDED) (5N)ORIGIN(3N)REPLICATION

S8 12 S S7 AND ((SINGLE (W) STRANDED) OR SINGLE-STRANDED) (5N) (ORIGIN (3N) REPLICATION)

? S S7 AND (((SINGLE (W) STRANDED) OR SINGLE-STRANDED) (5N) (ORIGIN (3N) REPLICATION))

27 S7  
5039297 SINGLE  
622334 STRANDED  
312618 SINGLE(W)STRANDED  
3625 SINGLE-STRANDED  
1375312 ORIGIN  
656877 REPLICATION  
346 (SINGLE(W)STRANDED OR SINGLE-STRANDED) (5N)ORIGIN(3N)REPLICATION

S9 12 S S7 AND (((SINGLE (W) STRANDED) OR SINGLE-STRANDED) (5N) (ORIGIN (3N) REPLICATION))

? rd

>>>W: Duplicate detection is not supported for File 391.  
Records from unsupported files will be retained in the RD set.

S10 4 RD (UNIQUE ITEMS)

? s s10 and (((site (w) specific (w) recombination) (3n) (recognition or site)) or ((site-specific (w) recombination) (3n)(recognition or site)))

Processing

4 S10  
3429085 SITE  
6678153 SPECIFIC  
410888 RECOMBINATION  
1182006 RECOGNITION  
3429085 SITE  
10140 SITE(W)SPECIFIC(W)RECOMBINATION(3N)(RECOGNITION OR SITE)  
6216 SITE-SPECIFIC  
410888 RECOMBINATION  
1182006 RECOGNITION  
3429085 SITE  
0 SITE-SPECIFIC(W)RECOMBINATION(3N)(RECOGNITION OR SITE)

S11 1 S S10 AND (((SITE (W) SPECIFIC (W) RECOMBINATION) (3N) (RECOGNITION OR SITE)) OR ((SITE-SPECIFIC (W) RECOMBINATION) (3N)(RECOGNITION OR SITE)))

? t s11/medium

11/3/1 (Item 1 from file: 357) [Links](#)

Derwent Biotech Res.

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0302117 DBA Accession No.: 2003-03902 PATENT

**Transferring a gene to a product vector, useful for generating recombinant vectors for expression in cell or host, comprises contacting in vitro a first and second vector and introducing the co-integrate vector into a prokaryotic cell recombinant vector-mediated kanamycin-resistance gene transfer and expression in mammal or bacterium cell**

**Author:** CARSTENS C

**Patent Assignee:** STRATAGENE 2002

**Patent Number:** WO 200268670 **Patent Date:** 20020906 **WPI Accession No.:** 2002-707008 (200276)

**Priority Application Number:** US 793372 **Application Date:** 20010226

**National Application Number:** WO 2002US4454 **Application Date:** 20020215

**Language:** English

? s (((double (w) stranded) or double-stranded) (5n) (origin (3n) replication)) (s) (pT181 or pC221 or pC223 or pCW7 or pHD2 or pLUG10 or pOG32 or pS194 or pT127 or pTZ12 or pUB112 or pE194 or pA1 or pC1305 or pCI411 or pFX2 or pKMK1 or pLS1 or pSH71 or pWV01 or pC194 or "pAM.alpha.1" or pBAA1 or pBC1 or pBC16 or pBP614 or pBS2 or pC300 or pCA2 or pCB101 or "pCB2.4" or "pCC5.2" or pFTB14 or pPL or pSSU1 or p1414 or pDC123 or pGT5 or pJDB21 or pKYM or pLAB1000 or pLot3 or pLP1 or pOX6 or pRF1 or pRBH1 or pSH1451 or pSN1981 or pTA1060 or pTD1 or pTHT15 or pUB110 or pUH1 or pVA380-1 or pWC1 or pEGB32 or p353-2 or pSN2 or pBI143 or pE5 or pE12 or pIM13 or pNE131 or pT48 or pTCS1 or pZMO2 or pIJ101 or pBL1 or pJV1 or pSG5 or pSN22 or pC1305 or pG12 or pGRB1 or pHK2 or pHPK255 or pTX14-1 or pTX14-3 or pVT736-1 or (phage (3n) f1) or "PHI.174." )

Processing

Processing

2011202	DOUBLE
622334	STRANDED
322089	DOUBLE (W) STRANDED
5086	DOUBLE-STRANDED
1375312	ORIGIN
656877	REPLICATION
910	PT181
229	PC221
68	PC223
13	PCW7
323	PHD2
20	PLUG10
18	POG32
56	PS194
32	PT127
22	PTZ12
69	PUB112
725	PE194
1595	PA1
12	PC1305
16	PCI411
40	PFX2
17	PKMK1
716	PLS1
67	PSH71
206	PWV01
1278	PC194
0	PAM.ALPHA.1
46	PBAA1
112	PBC1
302	PBC16
6	PBP614
978	PBS2
25	PC300
932	PCA2
74	PCB101
0	PCB2.4
0	PCC5.2
40	PFTB14
4742	PPL
21	PSSU1
24	P1414
7	PDC123
88	PGT5
18	PJDB21
107	PKYM
37	PLAB1000
2	PLOT3

545 PLP1  
 21 POX6  
 389 PRF1  
 12 PRBH1  
 6 PSH1451  
 0 PSN1981  
 45 PTA1060  
 74 PTD1  
 34 PTHT15  
 1767 PUB110  
 71 PUH1  
 7 PVA380-1  
 17 PWC1  
 0 PEGB32  
 2 P353-2  
 119 PSN2  
 28 PBI143  
 132 PE5  
 32 PE12  
 53 PIM13  
 30 PNE131  
 52 PT48  
 0 PTCS1  
 18 PZMO2  
 701 PIJ101  
 221 PBL1  
 129 PJV1  
 471 PSG5  
 318 PSN22  
 12 PC1305  
 399 PG12  
 22 PGRB1  
 90 PHK2  
 16 PHPK255  
 3 PTX14-1  
 10 PTX14-3  
 6 PVT736-1  
 208222 PHAGE  
 145212 F1  
 943 PHAGE(3N)F1  
 0 PHI.174.

S12 31 S (((DOUBLE (W) STRANDED) OR DOUBLE-STRANDED) (5N) (ORIGIN (3N) REPLICATION)) (S) (PT181 OR PC221 OR PC223 OR PCW7 OR PHD2 OR PLUG10 OR POG32 OR PS194 OR PT127 OR PTZ12 OR PUB112 OR PE194 OR PA1 OR PC1305 OR PCI411 OR PFX2 OR PKMK1 OR PLS1 OR PSH71 OR PWV01 OR PC194 OR "PAM.ALPHA.1" OR PBAA1 OR PBC1 OR PBC16 OR PBP614 OR PBS2 OR PC300 OR PCA2 OR PCB101 OR "PCB2.4" OR "PCC5.2" OR PFTB14 OR PPL OR PSSU1 OR P1414 OR PDC123 OR PGT5 OR PJDB21 OR PKYM OR PLAB1000 OR PLOT3 OR PLP1 OR POX6 OR PRF1 OR PRBH1 OR PSH1451 OR PSN1981 OR PTA1060 OR PTD1 OR PTHT15 OR PUB110 OR PUH1 OR PVA380-1 OR PWC1 OR PEGB32 OR P353-2 OR PSN2 OR PBI143 OR PE5 OR PE12 OR PIM13 OR PNE131 OR PT48 OR PTCS1 OR PZMO2 OR PIJ101 OR PBL1 OR PJV1 OR PSG5 OR PSN22 OR PC1305 OR PG12 OR PGRB1 OR PHK2 OR PHPK255 OR PTX14-1 OR PTX14-3 OR PVT736-1 OR (PHAGE (3N) F1) OR "PHI.174." )

? rd

>>>W: Duplicate detection is not supported for File 391.

Records from unsupported files will be retained in the RD set.

S13 8 RD (UNIQUE ITEMS)

? S S13 AND ((SINGLE (W) STRANDED) OR SINGLE-STRANDED) (5N) (ORIGIN (3N) REPLICATION)

8 S13  
 5039297 SINGLE  
 622334 STRANDED

312618 SINGLE(W)STRANDED  
 3625 SINGLE-STRANDED  
 1375312 ORIGIN  
 656877 REPLICATION  
 346 (SINGLE(W)STRANDED OR SINGLE-STRANDED) (5N)ORIGIN(3N)REPLICATION  
 S14 5 S S13 AND ((SINGLE (W) STRANDED) OR SINGLE-STRANDED) (5N) (ORIGIN (3N)  
 REPLICATION)

? s s14 and ((selectable (w) marker) or (kanamycin (w) resistance) or (ampicillin (w) resistance) or (spectinomycin (w) resistance) or (gentamycin (w) resistance) or (tetracycline (w) resistance) or (chloramphenicol (w) resistance) or (streptomycin (w) resistance) or strA or sacB or kanamycin or ampicillin or spectinomycin or gentamycin or tetracycline or chloramphenicol or streptomycin )

Processing  
 Processing  
 Processing

5 S14  
 32455 SELECTABLE  
 1080212 MARKER  
 20923 SELECTABLE(W)MARKER  
 60269 KANAMYCIN  
 3146944 RESISTANCE  
 10676 KANAMYCIN(W) RESISTANCE  
 127453 AMPICILLIN  
 3146944 RESISTANCE  
 6186 AMPICILLIN(W) RESISTANCE  
 11828 SPECTINOMYCIN  
 3146944 RESISTANCE  
 1299 SPECTINOMYCIN(W) RESISTANCE  
 7549 GENTAMYCIN  
 3146944 RESISTANCE  
 185 GENTAMYCIN(W) RESISTANCE  
 159258 TETRACYCLINE  
 3146944 RESISTANCE  
 12344 TETRACYCLINE(W) RESISTANCE  
 162099 CHLORAMPHENICOL  
 3146944 RESISTANCE  
 5743 CHLORAMPHENICOL(W) RESISTANCE  
 101003 STREPTOMYCIN  
 3146944 RESISTANCE  
 4643 STREPTOMYCIN(W) RESISTANCE  
 1184 STRA  
 1386 SACB  
 60269 KANAMYCIN  
 127453 AMPICILLIN  
 11828 SPECTINOMYCIN  
 7549 GENTAMYCIN  
 159258 TETRACYCLINE  
 162099 CHLORAMPHENICOL  
 101003 STREPTOMYCIN

S15 2 S S14 AND ((SELECTABLE (W) MARKER) OR (KANAMYCIN (W) RESISTANCE) OR (AMPICILLIN (W) RESISTANCE) OR (SPECTINOMYCIN (W) RESISTANCE) OR (GENTAMYCIN (W) RESISTANCE) OR (TETRACYCLINE (W) RESISTANCE) OR (CHLORAMPHENICOL (W) RESISTANCE) OR (STREPTOMYCIN (W) RESISTANCE) OR STRA OR SACB OR KANAMYCIN OR AMPICILLIN OR SPECTINOMYCIN OR GENTAMYCIN OR TETRACYCLINE OR CHLORAMPHENICOL OR STREPTOMYCIN )

? rd

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S16 2 RD (UNIQUE ITEMS)

? t s16/medium/all

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**Nucleotide sequence and analysis of pWC1, a pC194-type rolling circle replicon in *Lactococcus lactis***

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